

WHAT IS CLAIMED IS:

1. A container with an inherently stable base made of flexible material, constituted by a pouch which is heat-sealed along a continuous longitudinal line and along evenly spaced transverse lines, said pouch comprising: heat-sealed regions, located in a region where the base is formed, which are substantially shaped like triangles with bases whereof that coincide with an edge of the pouch, and vertices wedging inside said pouch; and ribbed folding guides, said heat-sealed regions and folding guides automatically determining a shape of the container with a predefined base when said container is filled with any of a liquid and a granular product or is punch opened for use.

2. The container of claim 1, wherein the pouch is formed from overlapping sheets, said triangles being obtained by heat-sealing said overlapping sheets constituting the pouch.

3. The container of claim 1, further comprising two wings formed at said flat base by said heat-sealed triangles, said wings being are folded against a lower part of said pouch.

4. The container according to claim 3, wherein said wings are coupled by adhesion to walls of the pouch.

20 Sub A 5. A method for manufacturing an inherently stable container made of flexible material, comprising the following operating steps:

5 a) folding a continuous film of flexible material of appropriate width, to obtain a pouch by way of a longitudinal heat-seal and by way of evenly spaced transverse heat-seals, (a first one of which is followed by cropping;)

25 b) heat-sealing in sides of the pouch, at a region of the transverse heat-seals, two triangles, each of which has a base which coincides with one edge of the pouch and a vertex which wedges inwards said pouch;

c) punch opening said pouch, and optionally filling the pouch with a product;

30 d) folding and bonding, with an adhesive means, wings that form

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adjacent to the base and, after filling the pouch, simultaneously with the bonding of the wings, heat-sealing an upper open mouth of the pouch.

6. The method of claim 5, wherein in the first step the film is folded so as to form the pouch, which is closed longitudinally by heat-sealing  
5 overlapping flaps of said film, said heat-sealing being preferably located at a center of one of two flat faces of said pouch.

7. The method of claim 5, wherein a longitudinal dimension of the pouch is determined by way of transverse heat-seals.

8. The method of claim 6, wherein the heat-sealing of the triangles  
10 comprises heat-sealing of two overlapping sheets of flexible material that constitute said pouch so as to form at the base, said two triangles with vertex wedging inside said pouch.

9. The method of claim 5, further comprising forming ribs during the step for forming the heat-sealed triangles, said ribs being adapted to facilitate, by  
15 guided deformation, opening of the pouch at filling.

10. The method of claim 9, wherein during filling of the pouch with product a substantially flat base forms, while said wings formed due to the heat-sealed triangles protrude laterally beyond said base.

11. The method of claim 10, wherein following said filling step said  
20 wings are folded toward the container and are retained thereon.

12. The method of claim 5, comprising insertion of the heat-sealed triangles inside the container by way of pushing means which push said triangles from the outside inward.

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